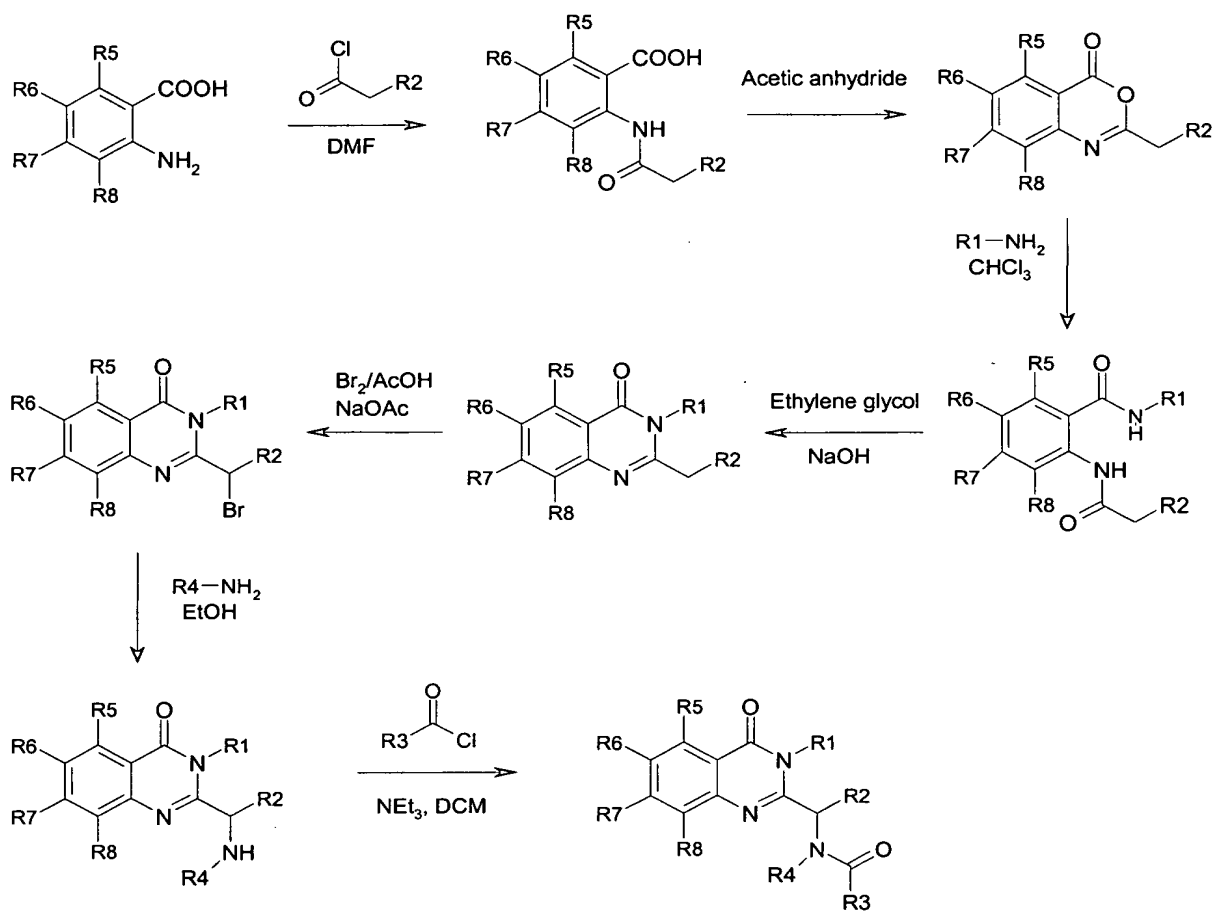
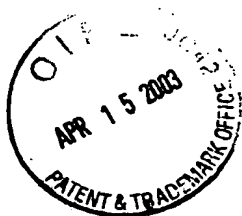


Figure 1

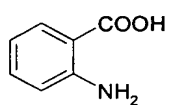




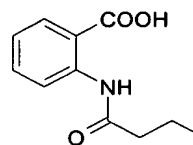
2/90

Figure 2

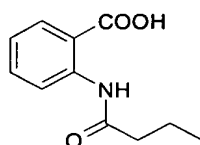
Step 1:



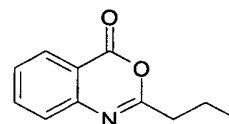
Butyryl chloride
DMF



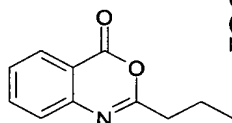
Step 2:



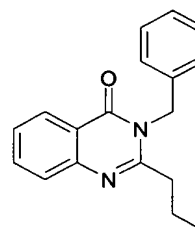
Acetic anhydride



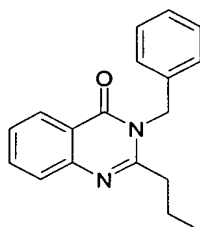
Step 3:



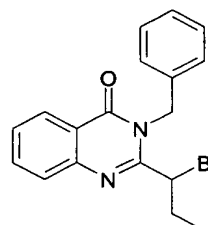
Benzylamine
(CHCl₃)
(Ethylene glycol
NaOH)



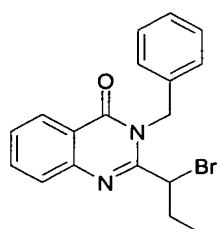
Step 4:



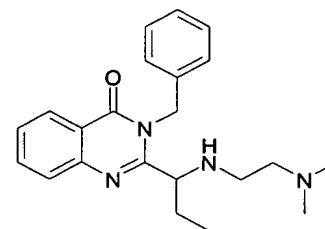
Br₂/AcOH
NaOAc



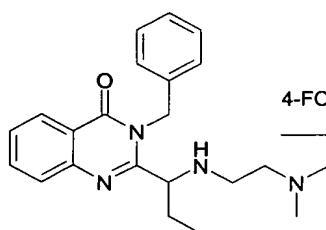
Step 5:



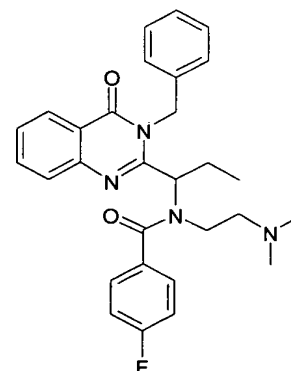
N,N-Dimethyl
ethylenediamine
EtOH



Step 6:



4-FC₆H₄-COCl



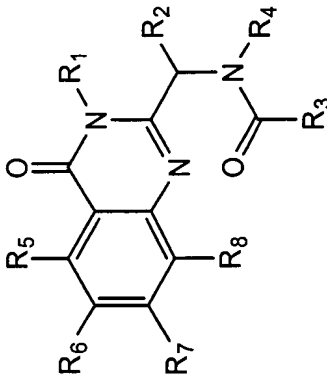
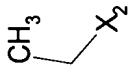
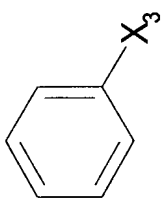
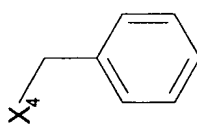
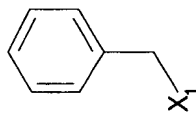

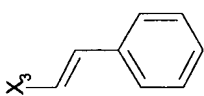
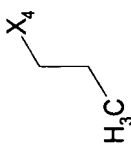
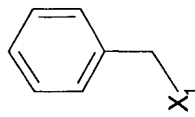

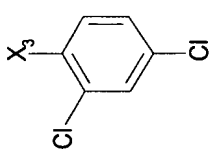
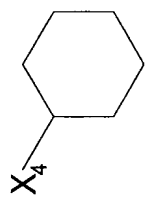
								
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
						Cl-X ₇		%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-1

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-2

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-3

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-4

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-5

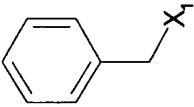

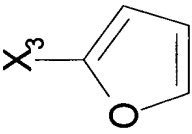
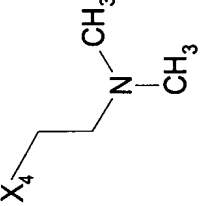
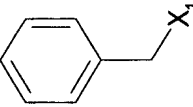

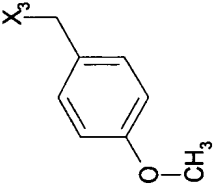
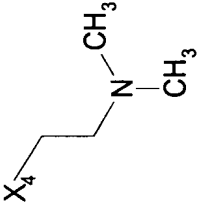
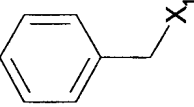
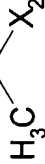
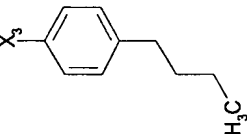
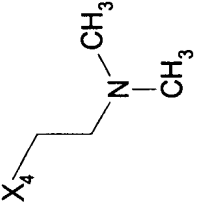
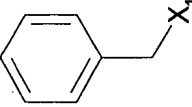

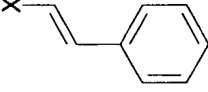
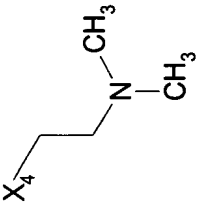
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-6

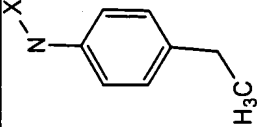
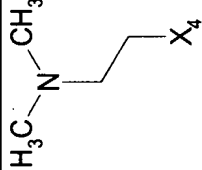
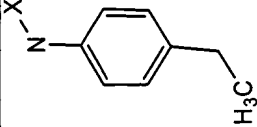
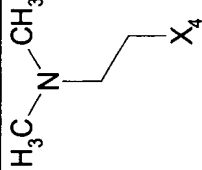
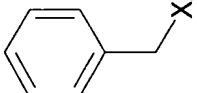
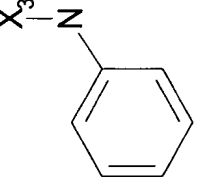
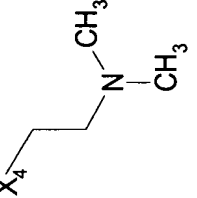
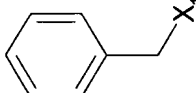
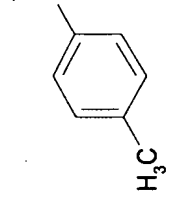
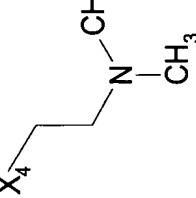
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
	X ₂ -CH ₃					X ₇ -Cl		%I > 35% @ 40 uM
	X ₂ -CH ₃					X ₇ -Cl		%I > 35% @ 40 uM
	H ₃ C-CH ₂ -X ₂							%I > 35% @ 40 uM
	H ₃ C-CH ₂ -X ₂							%I > 35% @ 40 uM

Figure 3A-7

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-8

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-9

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-10

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-11



14/90

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-12

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-13

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-14


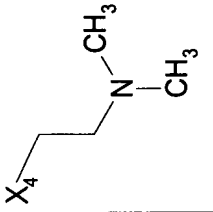
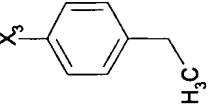
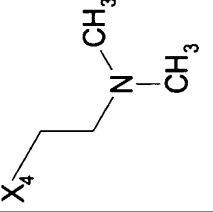
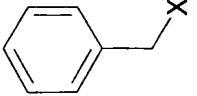
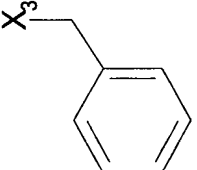
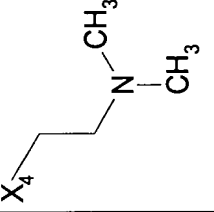
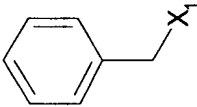
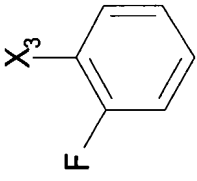
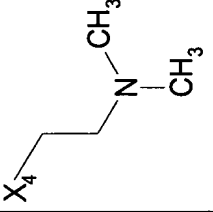
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
$\text{H}_3\text{C}-\text{X}_1$	$\text{H}_3\text{C}-\text{X}_2$					X_7-Cl		%I > 35% @ 40 uM
$\text{H}_3\text{C}-\text{X}_1$	$\text{H}_3\text{C}-\text{X}_2$					X_7-Cl		%I > 35% @ 40 uM
	$\text{H}_3\text{C}-\text{X}_2$							%I > 35% @ 40 uM
	$\text{H}_3\text{C}-\text{X}_2$							%I > 35% @ 40 uM

Figure 3A-15

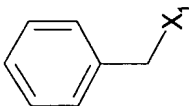

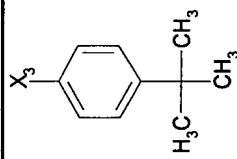
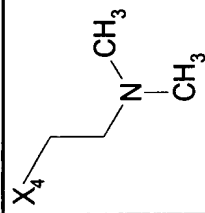
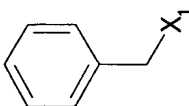

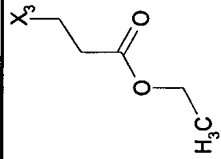
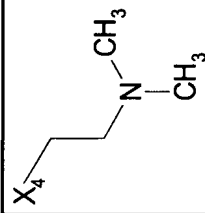
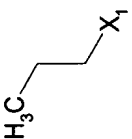

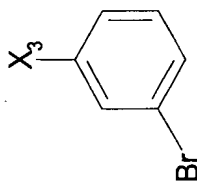
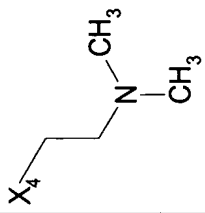
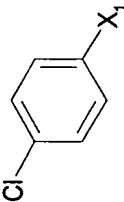

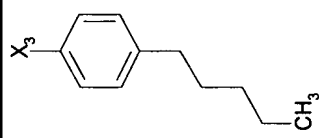
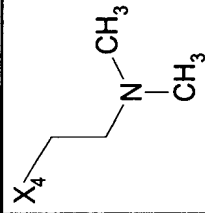
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-16

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
	H ₃ C-X ₂							%I > 35% @ 40 uM
	H ₃ C-X ₂							%I > 35% @ 40 uM
	H ₃ C-X ₂							%I > 35% @ 40 uM
	H ₃ C-X ₂							%I > 35% @ 40 uM

Figure 3A-17

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-18

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-19

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-20

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-21

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-22

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-23

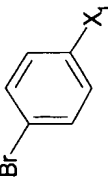


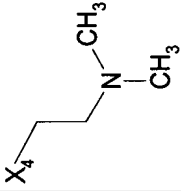
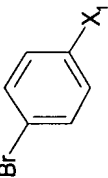

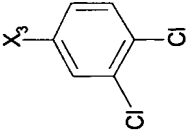
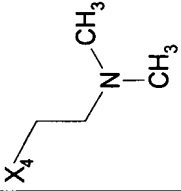
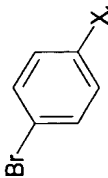
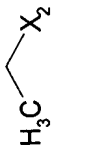
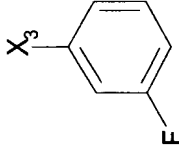
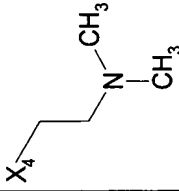
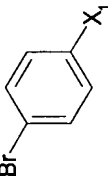

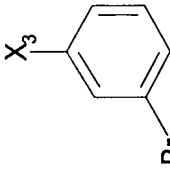
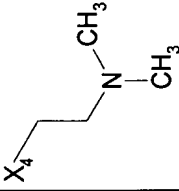
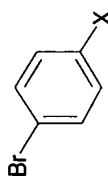

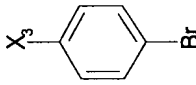
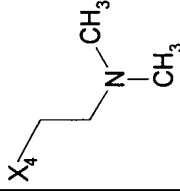
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-24

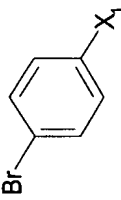
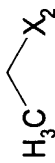
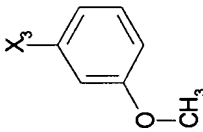
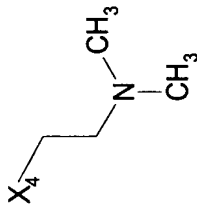
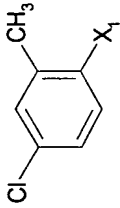
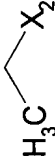
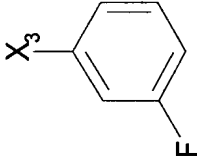
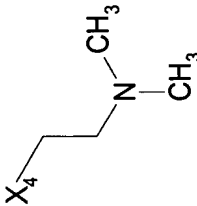
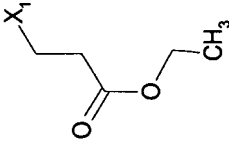
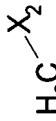
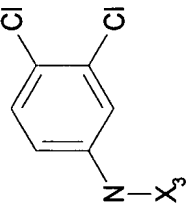
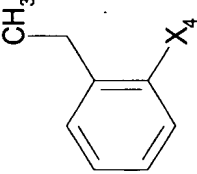
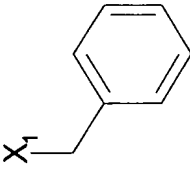

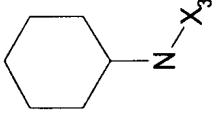
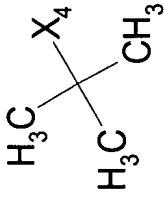
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-25



28/90

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-26

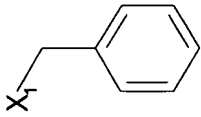
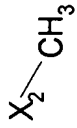
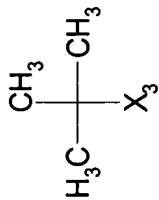
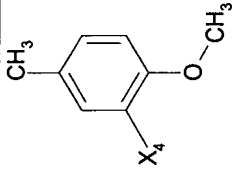
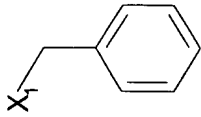
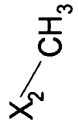
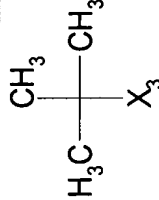
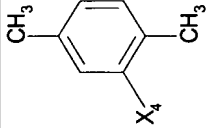
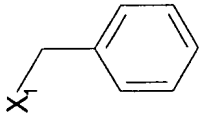
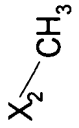
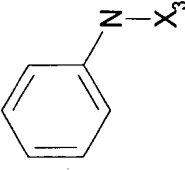
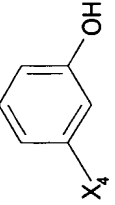
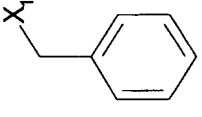

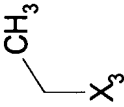
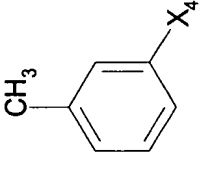
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-27

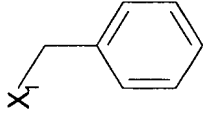
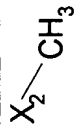
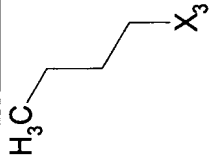
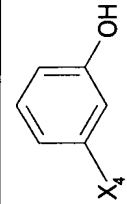
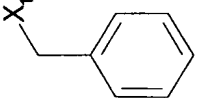

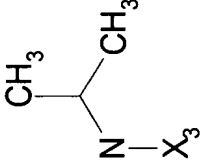
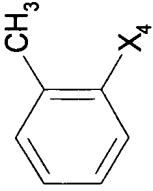
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								%I > 35% @ 40 uM
								%I > 35% @ 40 uM

Figure 3A-28

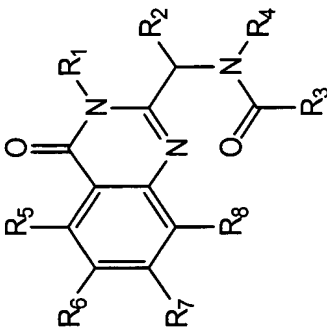
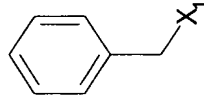
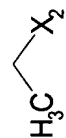
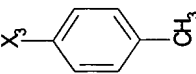
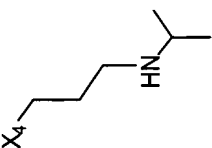

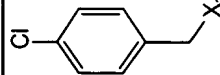
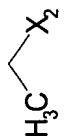
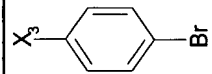
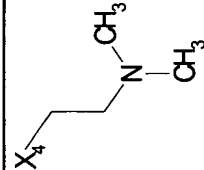

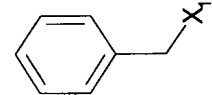

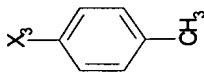
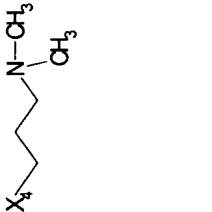

								
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-29

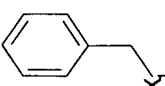

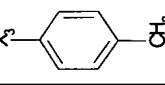
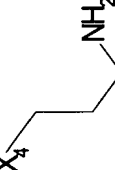

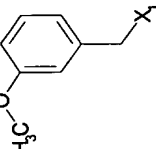
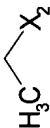
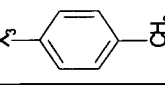
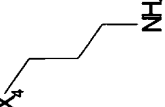

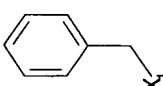

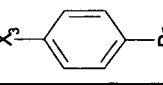
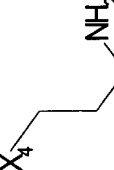

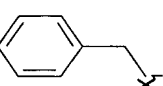
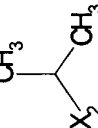
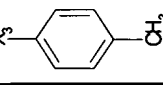
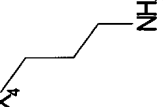

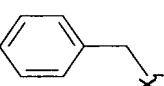

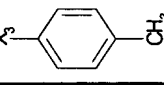
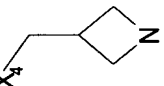

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-30

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-31

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-32

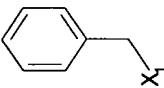


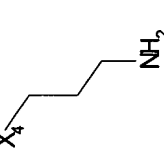

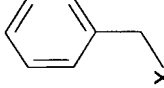


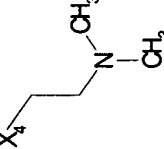

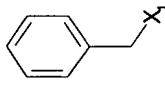
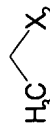
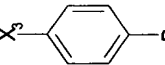
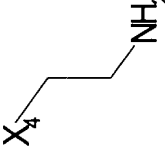
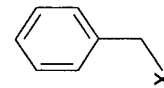

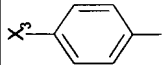
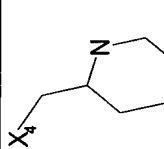

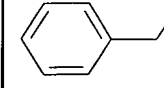

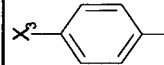
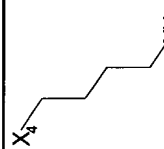

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-33

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-34

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-35

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-36

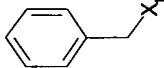
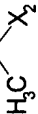
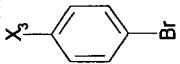
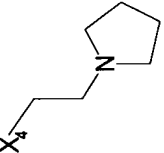

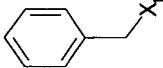

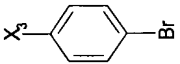
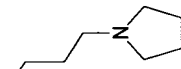

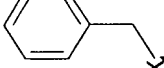

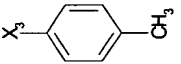
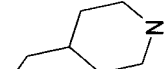

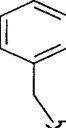

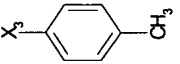
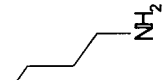

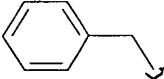

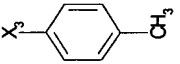
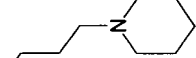

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-37

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-38

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-39

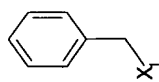
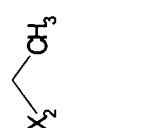
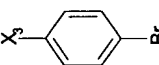
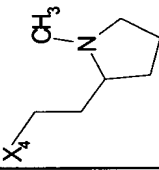

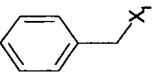
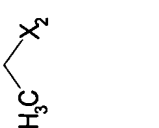
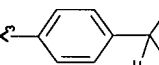
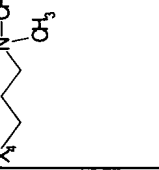

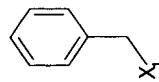
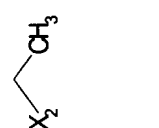
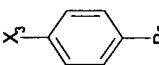
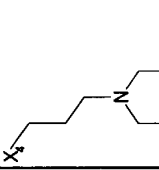

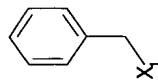
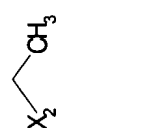
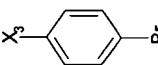
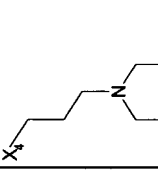

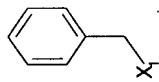
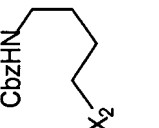
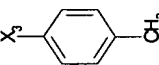
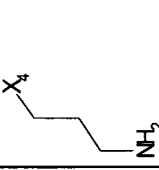

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-40

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-41

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-42

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 < 100 nM

Figure 3A-43

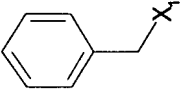

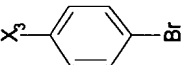
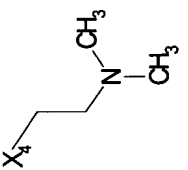


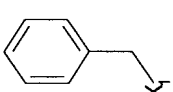


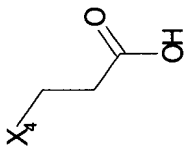

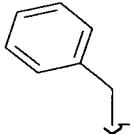

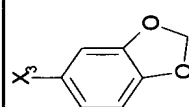
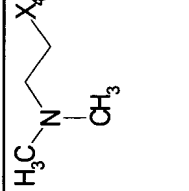

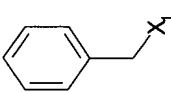

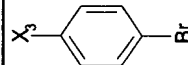
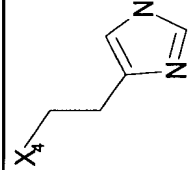

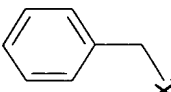

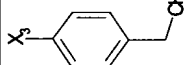
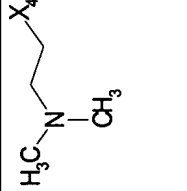

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 < 100 nM
								IC50 < 100 nM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM

Figure 3A-44

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM

Figure 3A-45

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM

Figure 3A-46

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM

Figure 3A-47

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM

Figure 3A-48

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM

Figure 3A-49

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM

Figure 3A-50

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM

Figure 3A-51

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM

Figure 3A-52

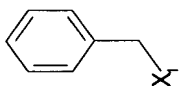

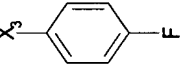
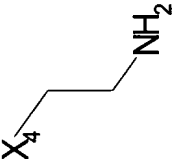
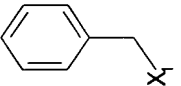

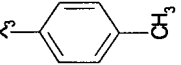
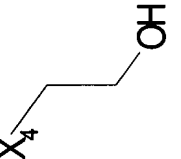

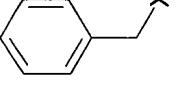

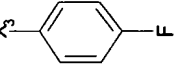
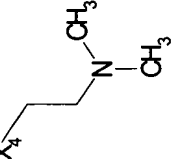

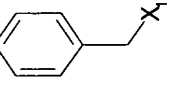
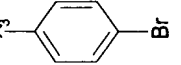
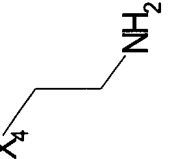

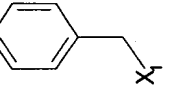

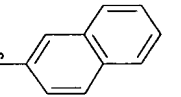
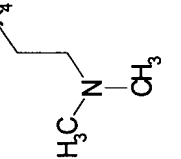
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM

Figure 3A-53

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM

Figure 3A-54

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM

Figure 3A-55

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 100 nM-1 uM
								IC50 = 1 uM-10 uM

Figure 3A-56

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM

Figure 3A-57

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM

Figure 3A-58

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM

Figure 3A-59

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM

Figure 3A-60

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM

Figure 3A-61

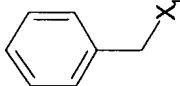

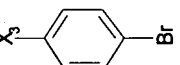
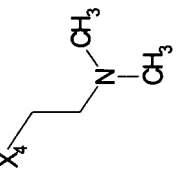
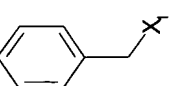

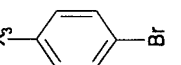
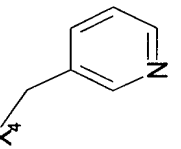

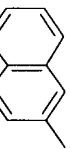

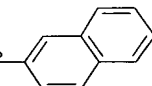
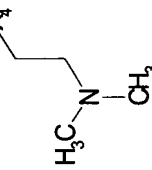
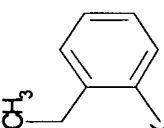
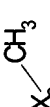
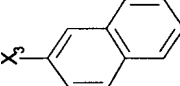
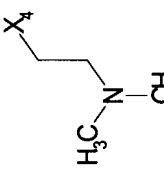
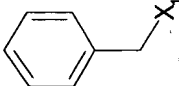
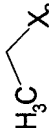
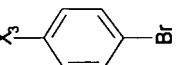
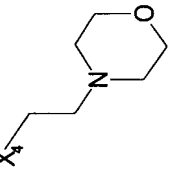
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM

Figure 3A-62

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM

Figure 3A-63

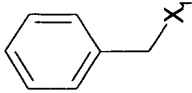

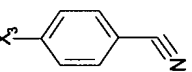


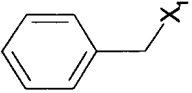

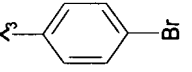

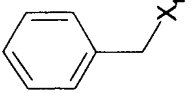

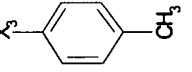

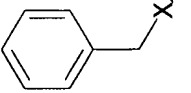

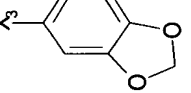
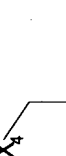
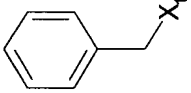

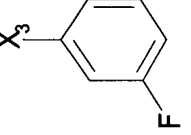
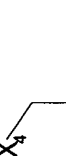
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM

Figure 3A-64

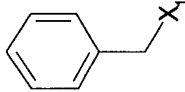

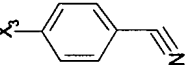
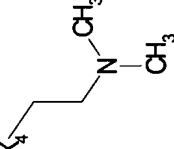

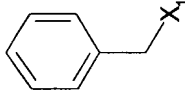

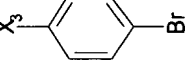
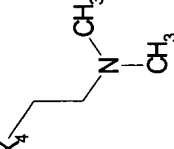
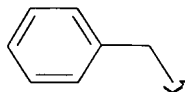
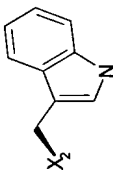
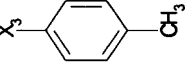
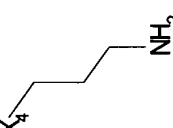

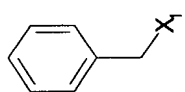
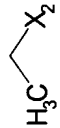
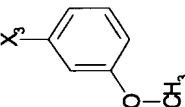
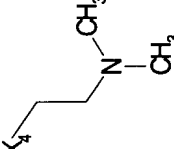
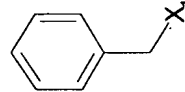

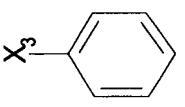
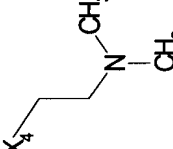

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM

Figure 3A-65

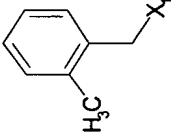

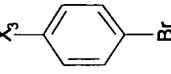
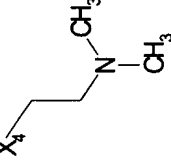

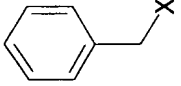
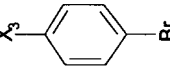
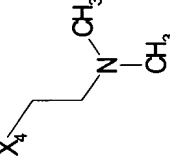
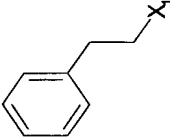
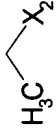
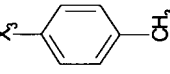
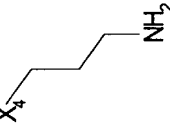

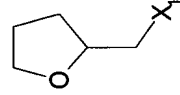
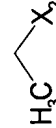
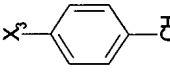
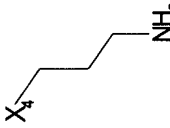

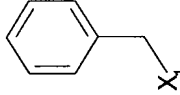

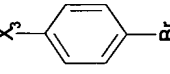
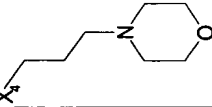

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
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								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM

Figure 3A-66

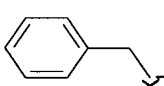
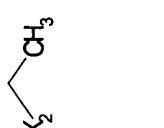
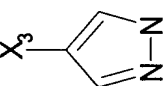
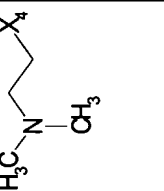

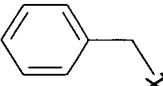
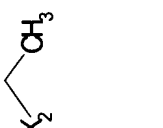
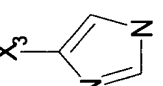
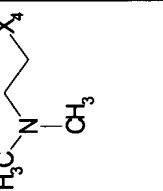

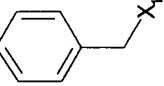
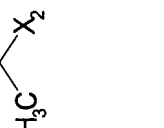
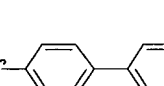
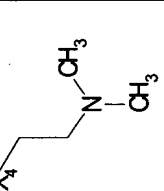
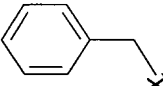
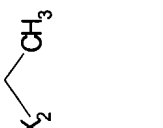
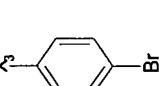
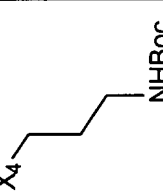
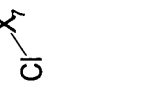
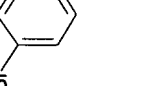

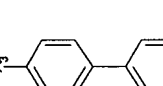
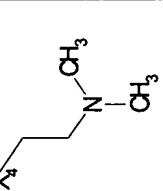
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
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								IC50 = 1 uM-10 uM
								IC50 = 1 uM-10 uM
								IC50 = 10 uM-50 uM
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Figure 3A-67

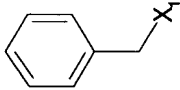

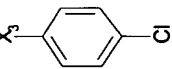
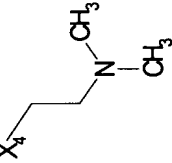
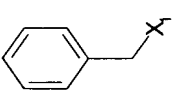


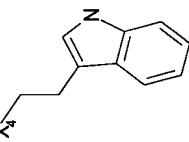

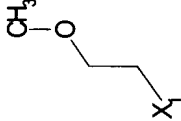

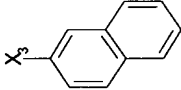
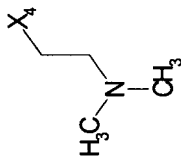
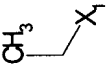
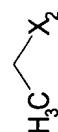

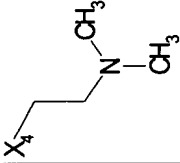

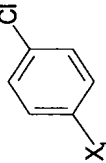

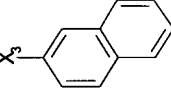
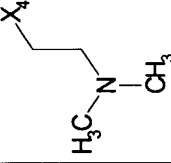
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 10 uM-50 uM
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								IC50 = 10 uM-50 uM
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Figure 3A-68

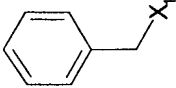
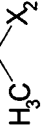
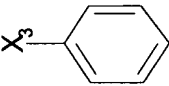
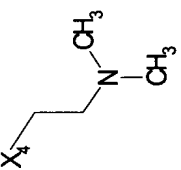
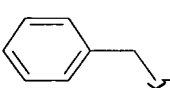

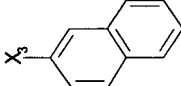
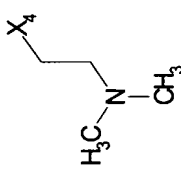
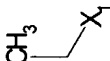

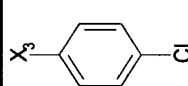
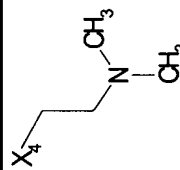

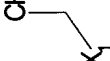

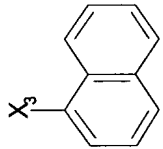
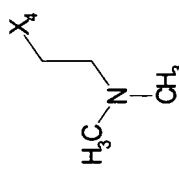

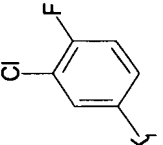

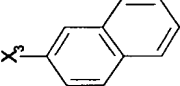
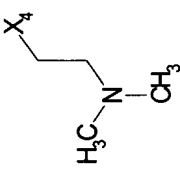
R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM

Figure 3A-69



72/90

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
	H ₃ C-X ₂							IC50 = 10 uM-50 uM
	H ₃ C-X ₂							IC50 = 10 uM-50 uM
	H ₃ C-X ₂		X ₄ -CH ₃			X ₇ -Cl		IC50 = 10 uM-50 uM
	H ₃ C-X ₂							IC50 = 10 uM-50 uM
	H ₃ C-X ₂		X ₄ -CH ₃			X ₇ -Cl		IC50 = 10 uM-50 uM

Figure 3A-70

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM

Figure 3A-71



R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM

Figure 3A-72

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM

Figure 3A-73

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM
								IC50 = 10 uM-50 uM

Figure 3A-74



77/90

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								IC50 = 10 uM-50 uM

Figure 3A-75

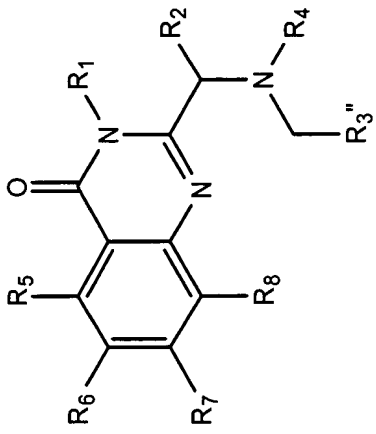
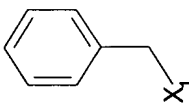

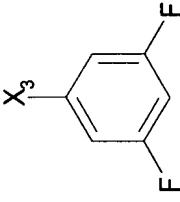
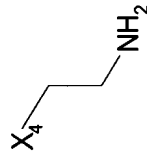

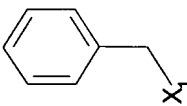

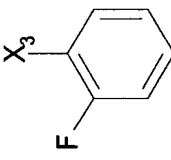
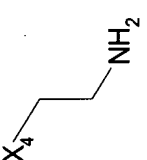

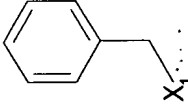

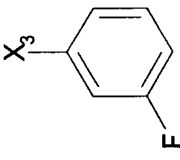
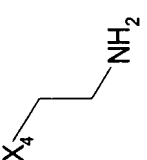

								
R ₁	R ₂	R ₃ ''	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM

Figure 3A-76

R ₁	R ₂	R ₃ "	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM

Figure 3A-77

R ₁	R ₂	R ₃ "	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM

Figure 3A-78

R ₁	R ₂	R ₃ "	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM

Figure 3A-79

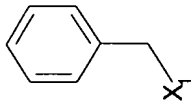

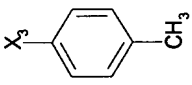
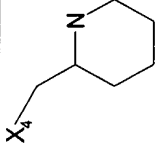

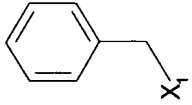

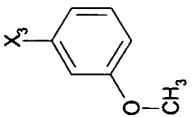
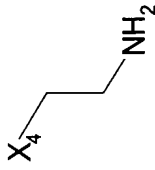

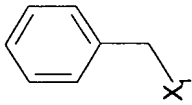

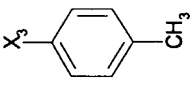
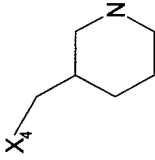

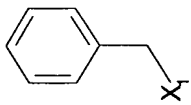

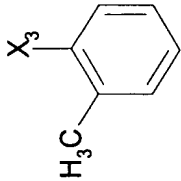
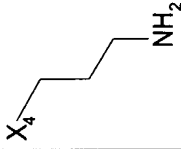

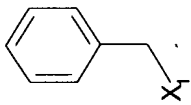

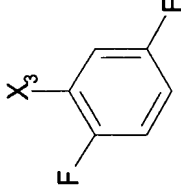
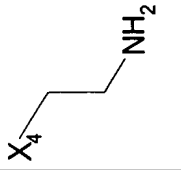

R ₁	R ₂	R ₃ "	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM

Figure 3A-80

R ₁	R ₂	R ₃ "	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM

Figure 3A-81

R ₁	R ₂	R ₃ "	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM

Figure 3A-82

R ₁	R ₂	R ₃ "	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM

Figure 3A-83

R ₁	R ₂	R ₃	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM

Figure 3A-84

R ₁	R ₂	R ₃ "	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								Ki < 100 nM
								Ki < 100 nM
								Ki < 100 nM
								Ki = 100 nM-1 uM
								Ki = 100 nM-1 uM

Figure 3A-85

R ₁	R ₂	R ₃ "	R ₄	R ₅	R ₆	R ₇	R ₈	Activity
								Ki = 100 nM-1 uM
								Ki = 100 nM-1 uM
								Ki = 100 nM-1 uM
								Ki = 1 uM-10 uM
								Ki = 1 uM-10 uM

Figure 3A-86

Figure 4: Asymmetric Synthesis

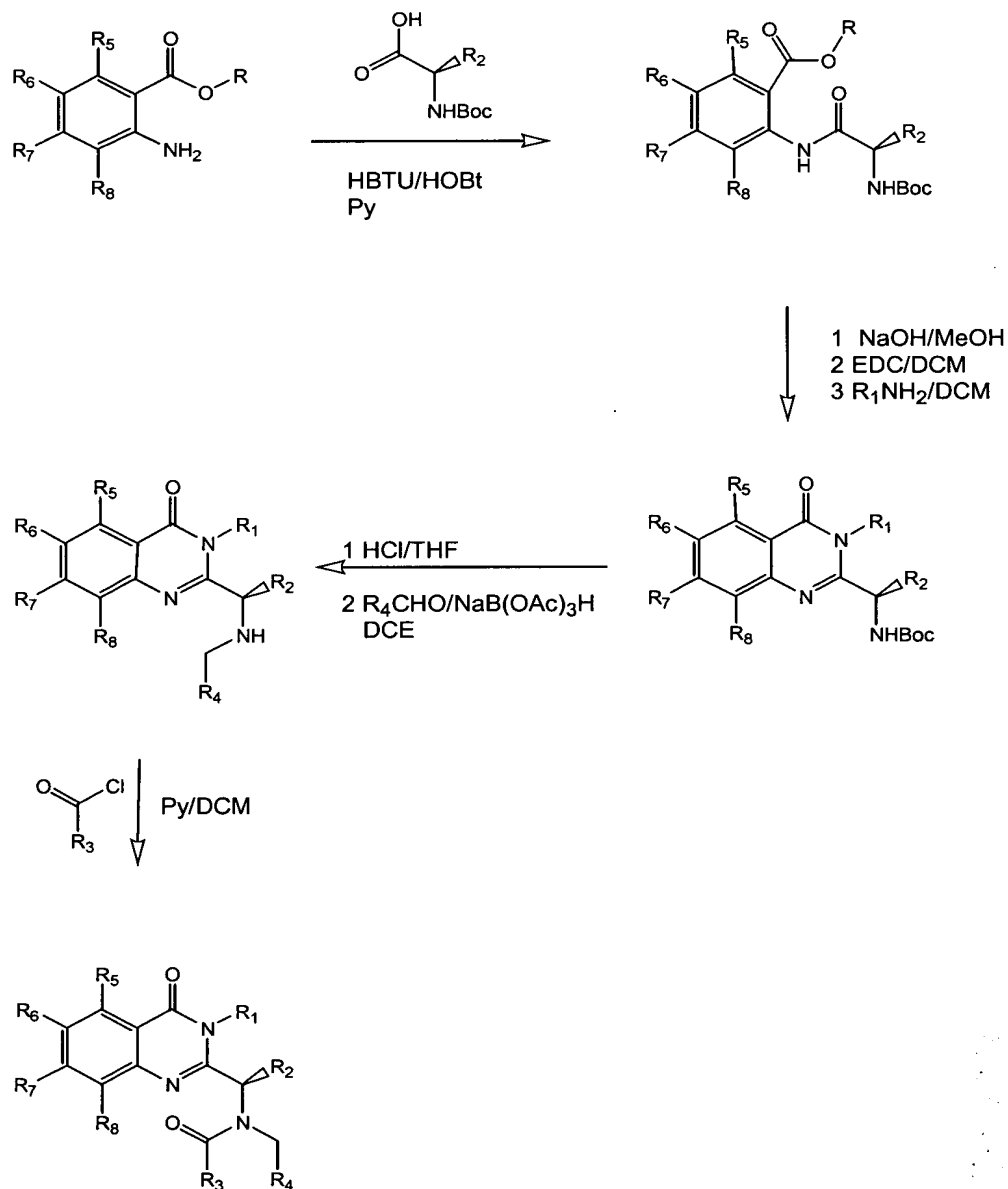


Figure 5

Figure 5a: Sulfonamide Synthesis

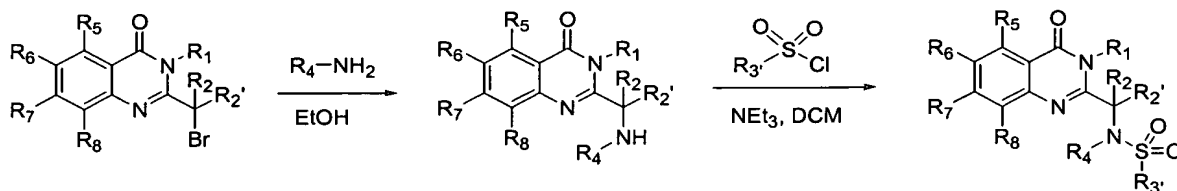


Figure 5b: Carbamate Synthesis

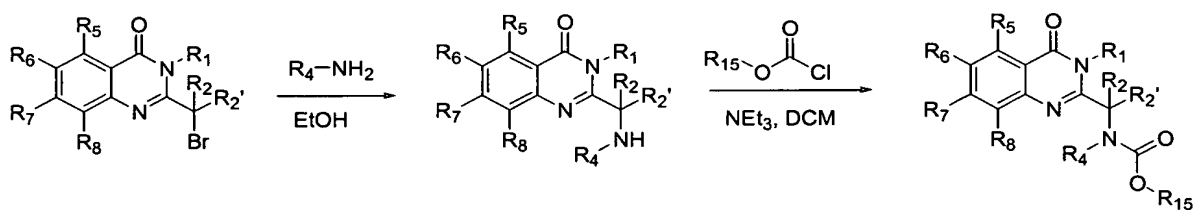


Figure 5c: Urea Synthesis

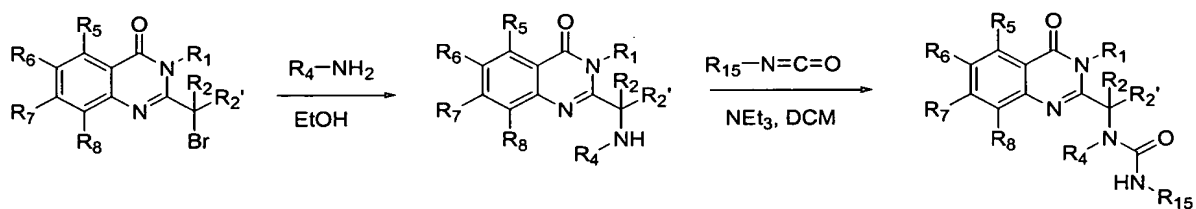


Figure 5d: Primary and Secondary Amine R4 Synthesis

